

ELECTRONIC INFORMATION DISCLOSURE STATEMENT

Electronic Version v18

Stylesheet Version v18.0

Title of Invention

DATA STORAGE SYSTEM HAVING SEPARATE DATA
TRANSFER SECTION AND MESSAGE NETWORK WITH PLURAL
DIRECTORS ON A COMMON PRINTED CIRCUIT BOARD AND
REDUNDANT SWITCHING NETWORKS

Application Number : 09/540825
Confirmation Number: 2354
First Named Applicant: David Black
Attorney Docket Number: 07072-100001
Art Unit: 2112
Examiner: Christopher E Lee
Search string: (5241640 or 5752256 or 6651130).pn



US Patent Documents

Note: Applicant is not required to submit a paper copy of cited US Patent Documents

init	Cite.No.	Patent No.	Date	Patentee	Kind	Class	Subclass
CEL	1	5241640	1993-08-31	Hisano et al		395	425
CEL	2	5752256	1998-05-12	Fujii et al		711	114
CEL	3	6651130	2003-11-18	Thibault		710	317

Signature

Examiner Name	Date
Christopher E. Lee	9/1/05

Form PTO-1449
(Rev. 8-83)U.S. DEPARTMENT OF COMMERCE
PATENT AND TRADEMARK OFFICEATTY. DOCKET NO.
EMC2-043PUS (formerly
07072-100001)APPLICATION NO.
09/540,825

INFORMATION DISCLOSURE CITATION

(Use several sheets if necessary)

APPLICANT

David L. Black et al.

FILING DATE

March 31, 2000

GROUP

2189 2112

U.S. PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE*
CEL	4 4 3 8 4 9 4	3/20/84	Budde et al.			
	4 4 5 6 9 8 7	6/26/84	Wirsing			
	4 6 3 6 9 4 6	1/13/87	Hartung et al.			
	4 7 8 0 8 0 8	10/25/88	Moreno et al.			
	5 4 0 6 6 0 7	4/11/95	Marietta			
	5 5 3 9 7 3 3	7/23/96	Anderson et al.			
	5 5 5 1 0 4 8	8/27/96	Steely, Jr.			
	5 5 8 6 2 6 4	12/17/96	Belknap et al.			
	5 6 0 3 0 5 8	2/11/97	Belknap et al.			
	5 7 0 3 8 7 5	12/30/97	Burnett			
	5 7 4 5 7 9 0	4/28/98	Oskouy			
	5 7 8 7 2 6 5	7/28/98	Leshem			
	5 9 4 8 0 6 2	9/7/99	Tzelnic et al.			
CEL	5 9 4 9 9 8 2	9/7/99	Frankeny et al.			

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DEC 31 2003

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FOREIGN PATENT DOCUMENTS

DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION
					YES NO
CEL 0 5 1 0 8 2 1	10/28/92	EP			
1 0 7 9 5 8 1 2	9/17/97	EP			
8 1 7 2 4 4 6	7/2/96	JP			X
CEL 2 3 6 6 4 2 4	3/6/02	GB			

OTHER DOCUMENTS (including Author, Title, Date, Pertinent Pages, Etc.)

CEL	F. Halsall, "The Role of DQDB, 1994, The Institution of Electrical Engineers, IEE, Savoy Place, London WC2R OBL.UK
Examiner Christopher G. Lee	Date Considered: 9/1/05
*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and considered. Include copy of this form with next communication to applicant.	

Approved for use through 04/30/2003. OMB 0651-0031

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

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Substitute for form 1449/PTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

Sheet	1	of	2
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Complete If Known

Application Number	09/540,825
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Art Unit	2112
Examiner Name	Christopher E. Lee
Attorney Docket Number	EMC2-043PUS

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U. S. PATENT DOCUMENTS

[illegible]

FOREIGN PATENT DOCUMENTS

[illegible]

**Examiner
Signature**

Christopher E. Lee

Date	
Considered	

9/1/05

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ¹ Applicant's unique citation designation number (optional). ² See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 18 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

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Substitute for form 1449/PTO		Complete if Known	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use as many sheets as necessary)		Application Number	09/540,825
		Filing Date	March 31, 2000
		First Named Inventor	Black
		Art Unit	2112
		Examiner Name	Christopher E. Lee
Sheet 2 of 2	Attorney Docket Number	EMC2-043PUS	

OTHER PRIOR ART-NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
CEL		U.S. Patent Application Serial No. 09/540,828 filed 3/31/2000	
		U.S. Patent Application Serial No. 10/054,241 filed 1/22/2002	
		U.S. Patent Application Serial No. 09/539,966 filed 3/31/2000	
		U.S. Patent Application Serial No. 09/606,730 filed 6/29/2000	
		U.S. Patent Application Serial No. 09/606,734 filed 6/29/2000	
		U.S. Patent Application Serial No. 10/120,957 filed 1/22/2002	
CEL		U.S. Patent Application Serial No. 09/680,156 filed 3/31/2000	

Examiner Signature	Christopher E. Lee	Date Considered	9/1/05
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 1 Applicant's unique citation designation number (optional). 2 Applicant is to place a check mark here if English language Translation is attached.
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Title of Invention

Data Storage System Having Separate Data Transfer Section
and Message Network With Plural Directors on a Common Printed
Circuit Board and Redundant Switching Network

Application Number : 09/540825
Confirmation Number: 2354
First Named Applicant: David Black
Attorney Docket Number: 07072-100001
Art Unit: 2112
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Search string: (5459856).pn



US Patent Documents

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init	Cite.No.	Patent No.	Date	Patentee	Kind	Class	Subclass
<input checked="" type="checkbox"/>	1	5459856	1995-10-17	Inoue		395	440

Signature

Examiner Name	Date
Christopher E. Lee	9/1/05